

SUBSTITUTE SHEET (RULE 26)

# FIG.2

1200 **000** 901 1300 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 AAGCTIGCATGCCTGCAGGTCGACCTGCAGGGTCAACGGATCTCTGTGTTTTCATGTTAGTACCACACTGTTTTGGTGGCTGTAGCTTTCAGCTTTCAGCTACA AT GGAGGT CTATTCCCTCTATACCCACCTTGTTGAGAGTTTTTATCATAAAGTATGTTGAATTTTGTCAAAAGTTTTTCCTGCATCTATTGAGATGAT ITTIACTETTEAATICATTAATGATTTTTATTETTEATTGTTAATGATTTECATTETTCAATTTGTTAACGTGGTATATEACATTGATTTGTTAACGT 46G1C11ACACC1CC1TGG1TAGAG1CAT1CC1CAGTATTTTATTCCTTTGATACAATTG1GAATGAGGTAATTTTCTTAGTTTCTTAGTTTTCTGATAGCTC A 11G17AG1G1A1A1A1ATAGAAAAGCAACAGATTICTATGTATTAATTTTGTATCCTGCAACAGATTTCTATGTATTAATTTTGTATCCTGCTACTTTACG GAATICACTTATTAGCTTTTTGGTGACATCTTGAGGATTTTCTGAAGAAAATGGCATGGTATGGTAGGACAAGGTGTCATGTCATGTCAGCAAACAGTGGCA ACATECTIGIETTATTITETBAECTTAGAGGAAATGETTTEAGTTTTTEACCATTAATTATAATGTTTACTGTGGGETTGTEATATGTGGGCCTTCATTA & TACCTITIGIAICCCIGGGATAAACCICACTIGAICATGAGCTITCAAIGIAITITIGAATICACTITIGCTAATAITCIGITGGGIAITITIGCAICTCI GATICCTIGCTICIGCACTIACAGGCCCAGGATCTGACCTGCTTCTGAGGAGCAGGGGTTTTTGGCAGGACGGGGAGATGCTGAGAGCCGACGGGGGTCCA A ITITIC GGAATAGITIGAGIA GGATAGGTATTAACT CITTAAA TGTTTGGGGACTTCCCTGGTGGTGGGTGGTTGAGAATCCGCCTCAGGGATGT GGGTTTGATCCCTGGTCAGGGAACCATTAATAAGATCCCACATGCTGCAGGCAACAAGCCCCCAAGCTGCAACCACTGAGCTGCAACCGCTGCAGCTGCAGTGCC GGACICCIGCIIGAGGGAAITITITAAAAATTATIGAITCAATTICAITACIGGIAACIGGICIGIICATAITICTAITICTICCGGGIICAGICIIGG CITIAITICCGICICICICICIGGAIGGIAITCICIGGAAGCIGAAGGICCIGGAAGITATGAAIAGCITIGCCCIGAAGGGCAIGGITIGIGGICACG GGLTGACCTCCCTCCTCCTGCATCACCCAGTTCTGAAAGCAGAGGGGTGTGGGGTCACAGCCTCTCGCATCTAACGCCGGTGTCCAAACCACCGTGG TGG1611CGGGGGGCTACCTATGGGGAAGGGCTTCTCACTGCAGTGGTGGTGCCCCCCTCTCTGAGATCAGAAGTCCCAGTCCGGACGTCAACAGGCC |CTAGTCTCTGCCTCCGTGTTCACACGCCTTCTCCCCATGTCCCCTCCGTGTCCCCGTTTTCTCTCAGGACACCCGGACATTAGATTAGCCCCTGTTC CAGCCICACCIGAACAGCICACAICIGIAAAGACCIAGAIICCAAACAAGAIICCAACCIGAAGIICCCGGIGGAIGIGGAGIICIGGGGCGACAICCIIC A A C C C A T C A C A G C T T C A T C C A A A A C A T G G A A C C T G G G G T T T T C C T G A A C C C A G G T T G C T G G G C T T G G G G C T T G C T G 71 CACAGGAAC 7 TGGGAGACCC 7 GCAGC 7 CAGAC G 7 CCGAGA 7 T GGT AGAG 7 7 TCC 7 AAGC 7 CG 7 GGAAC AGGC GC 7 TG 7 T TC 7 CC 7 T CACAGGCCACGACAGAGAAAGCCCACATACAGCAGGAAGACCCAGCACAACGGAAAAAAGGAGTTTGGTGGAATACAGCTGTGAAGCCGTCTGGGTCTCT

FIG.2 continued

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4200 4300 4500 4800 4900 5000 5200 4100 4600 4700 5100 5300 5400 5500 5600 TGAACCTCCACCAAGATGCTGACCAGGCCAGCGGGCCTGGAAAGACCCTACAGTTCAGGGGGGAAGAGGGGCTGACCCGCCAGGTCCCTGCTATCA GCGGTGTGGGAAGTGTCCTGGGAGATTTAAAATGTGAGAGGCGGGAGGTGGGAGGTTGGGCCCTGTGGGCCTTGCCCATCCCACGTGCCTGCATTAGC CCCAGTGCTGCTCAGCCGTGCCCCCCCCGCAGGGGTCAGGTCACTTTCCCGTCCTGGGGTTATTATGACTCTTGTCATTGCCATTGCCATTTTTTGCTACC CTAACTGGGCAGCAGGTGCTTGCAGAGCCCTCGATACCGACCAGGTCCTCCGTCGGAGCTCGACCTGAACCCCATGTCACCCTTGCCCCAGCCTGCAGAG GGTGGGTGACTGCAGAGATCCCTTCACCCAAGGCCACGGTCACATGGTTTGGAGGAGCTGGTGCCCAAGGCAGAGGCCACCCTCCAGGACACACCTGTCC CCCCAAGCCTGCTGTCTCAGCCCTCCACTCCCTGCAGAGGTCAGAAGCACGACCCCAGGGATCCTGCCTAGCACTCTGACCTAGCAGTCAACATGAAGGC GGCTACAGGGGAATCAGCCTAGCAAACTGTAAGTCTACTCTCCATAATTCCAGAGAATTAGCTACGTATGGAACAGACACTAGGAGAAGAAGAAGAAA SAAGGGGCTTTGAGTGAATAGATGTTTTATTTCTTTGTGGGTTTGTATACTTACAATGGCTAAAAACATCAGTTTGGTTCTTTATAACCAGAGATACCCG 
 AACAGTGATGTTTTAAAGAATATGAATTCCCTACAAAGAGCAGTAGGAACCTAGTTCCCTTCAGTCACTCTTTGTATAGGATCCCAGAAACTCAG
CATGAAATGTTTTATTATTTTTATCTACTCTACTTGATTAACTATCTTTCATTTTCTCCCACACAATTCAAGATGTGCCATGAGGAAAAGTTATTTTATA | GGCCAAATGGGAGAGTGGTTACAACACACACGAGCTACAAACTACAATGCTGGAGACGGAAGCACTGATTATGGGATATTTCAGATCAATAGCCGCTACTG CCAGTECTEGCTCTEACCTGTCCTTGTCTAAGAGGCTGACCCCGGAAGTGTTCCTGGCACTGGCAGCCAGGCCTGGACCCCAGAGTCCAGACACCCACTGT SATTIGCATTACAAAAGGATTCTCTTACAAGTCCCTTATCTTAACACTAAAGTGCTAAGATATTTTATAAGTAAATCTTTATACTTATAAAACAAATCAG 3 IGTAATGATGGCAAAACCCCAGGAGCAGTTAATGCCTGTCATTTATCCTGCAGTGGTAAGACAAGCTAATATTTGACCAATCTGGTTATACTTACAAGA ICTCATTGTTCTGGGGCTTGTCCTTTCTGTTACGGTCCAGGGCAAGGTCTTTGAAAGGTGTGAGTTGGCCAGAACTCTGAAAAGATTGGGAATGGAT CAATGGCACATGTAAGCTGAAGGATACATTTGAGGACCTGGCAGAGCTCTCTCAAGTCCTTGGTATGTGACTCCAGTTATTCCCATTTTGAACTT ITTTAAAGACAGTCTCACTGTGTGGCCCAGGCTGGAGTGCATGATCTCAGCTCACTGCAACCTCTGCCTTCTGGGCTCAAGTGATTCTCGTGCT GAAATCACGGAATAGTCTTGTTTTCAAGATTCTAACTTGATATCCAAATTCACCTTTAGATATTATAAGAAAATTTCTATCAGAAAATCCTTATGTTTTT | FAAAATAGAAGTAGCTAAGTAGAACTGATTTTGCTATAGAGTATAAGTCACTTAGTGTTGCTGTTTATTACTAAAAATAAGTTCTTTTCAGGGATGTGT TCAGCCTTCTGAGTAGCTGTGACTACAGGTGTGTACCACCACACCCAGGTAATTTTTTGTATTTTCAGTAGAGATGGGGTTTCACCATGTTGGCAAGGT C I GA I I AA AA AA GCA I I I I I CCA I CA CCA I GB A I CI GCI A I GAA AA I CI CAA CA CA CA CO CO CO TOTO I I C IGCCIGAGGGATGGGAGGCACGGGAAGGGTAAAAGCAATGGAAGAACATGTATTTTAATATTTTAAAAGTATGTTATTGTTCGTTGGTGTTACAAGAT

# FIG.2 continued

6900 7000 7300 7400 7500 7600 7700 7800 7900 8000 8100 8600 8300 ATTGAGACTCAATACAAATGAAAAAGCCTTGAAAGGTTCATGAGGGACCTAGAAAACTACATCTCAAACTTCCAGAAAGTCATTATTATTTCCTCATAA ITTITITITATGAAATGTTCTAAATGTATAGAAATTAGAGACATTAGTATAATAAAGACCAATATGCCCATTATGCACTITAAAAAGTTGTTAACATTTTG CCATAGITGCITCITCIAIGCCITITITITITITITITITITITITICIGAGAGIITITIGCITGITITGTITIGITITGTITITAITITIGAGACAGGGICTCC TGTCCCCAGGCTGTAGTCAGTGGCACCATCACAGCTCACTGCAGCTCAAGTGATCATCCCACCACCACACCTCCCAAGTAGCTGGGACTACAGGTGTGCACC CTCCTTAAGCTGCTGGAATTACAGGCGTTAGCACTGTACCTGGCTACTGCTGAGAGACTTTTAAGTGAATTAGGAACATGATGATATTCCATTTCTAAAT TTACTGAACTCATAAAAATAGAAATACCATGTGGAATCCTCAGTGTCAAAAATATTGCAGAAATCTTGCAAAGTTGATATTATTAAATTGTTAAATATTA A TACAAATAAGAAAATAACACCCATAATCTTACTACCCAGAGGTTTATAACCATGGGTAAATTCTGGTATATATTCTTCCAGAATGTATATCATCATC TTACAATTTGCTTCTTATCACACAAAATTATTTGCATGTCAGCAAATACAAATCGGTTTTTAATGATCTTTTGCTCCATTTTCCAGATGAGAAAAAAA 4GTAAAATATCACTAGGTGTTTTTTTACAGTGTCTAGTGCAAAGAAGACCTTTAATCATTTTGTTAATACTTCCAGAGCTTCCAATGACTTTGGTAAATG AAGAAAAAAATGCTTCATTTCATGCTGAATGGAGAGAATGAAGAGAGTTTTCCCCAACAATTACACATATATGGACTCATAGAAAATAATATCTTACCA ACCATTGCTTCATCTTTTCTACAGGGTGGCATGGAGAATCGTTGTCAAAACAGAGATGTCCGTCAGTATGTTCAAGGTTGTGGAGGTGTGGGGGGG SAGGAGGAAGCGGAGGCGGCAGCGGAGGCGGAGGGAAGCGCTAGCATGTGCTCCAACCTGTGCGCTGCTGCTGGGCAAGCTGAGCCAGGCTGCGAGCTGCA ITCCCTGAGTAAGAAATTTAAAGAAGTGGTATCATAAAAGGTTGATGTTTTTTAATATACAGAAGTTTCTGGAATGACCTATTAATTTACTGTCAATGGC CITACTGATGCTTTGICCAGAACAATGCCATTGCTCCTGCTTACTTTGGGGAGGTTTTGGGATAATTTAGTTGTATGGTCCTTTTTCAATTGTTACTT ACCATGCCTGGCAAATTTTTGAAATTTTTAGTACAGGCAAATTCTGTGTTTGCCCAGGCTGGTCTTGAACTCCTGAGTTCAAGCAATCTTCCCCACCTCAGC IGTA I GAA I GITAAATI ATATA TA TA TA AA A C C A C A TA C A A A C A T G T A A A T T G C A A A A T T A A A T TA TA TA C A C G G C T CAAATCTGTATCATCATTTTAAAAGAATGACTAGAATTTTAATATGAATATTCTATAATTTTACTGATCCAATTGTTACTATTGAGCACTTAGGTTGTT TTCTTTCCACAGCCTAACAGAAAAAAGCTGGCTAAACCTAAATTTAAAATATATCTATTAAAGTTTTTATTCCTTACCACCTGTCTTTCAGCTTTGC IGCAAGATAACATCGCTGATGCTGTAGCTTGTGCAAAGAGGGTTGTCCGTGATCCACAAGGCATTAGAGCATGGTATGTTTTAAGTGTTTAAAAGGGAAAA CTATCTTACTCTACTGTTGATATACAATGAGAGCAGACTTTTAAAGACCAAAGTATGCTAATGACACCTCAAAATTGCAGCTTTTGGCTTATGCTAAA 

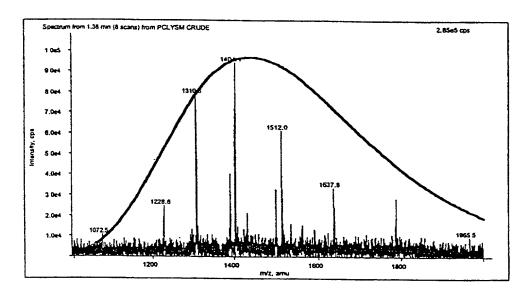
FIG.2 continued

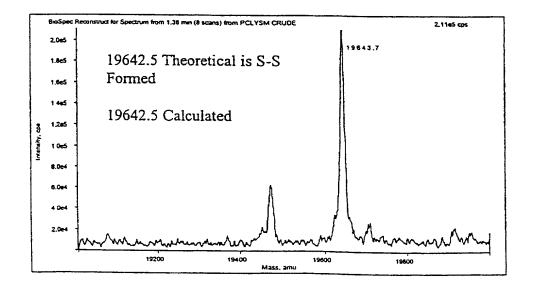
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10100 10200 10300 10400 10500 10600 10700 10800 10900 1000 1200 11100 1300 1400 11500 11600 CIGCCCCACGTCCTGGGCACACACATGGGGTAGGGGGTCTTGGTGGGGCCTGGGACCCCACATCAGGCCCTGGGGTCCCCCCCGGTGAGAATGGCTGGAA CCAGCCATGGAGAGGCTGGCAAGGGTCTGGCAGGTGCCCCAGGAATCACAGGGGGGCCCCATGTCCATTTCAGGGCCCGGGAGCCTTGGCTCCTCTGGG CAAGCTGCAGACCTACCCTAGGACCAACACCGGCAGCGGCACCCCTGGATAATCGATAAGCTTGGATCCCTGCCGTGCCGTGCGTTCTGGGTAAGCTGCCTG **ACAGACGACGTCACCGCCCCCCCCCTACAGGGGGACTAGAAGGGACTAGGACTGCAGTCAGCCTTCCTGGGACCCAGGCCCTTCTAGAAGGCCCTTC** IGGTGGGGAGGGAGTCTGGCTCAGAGGATGACAGCGGGGCTGGGATCCAGGGCGTCTGCATCACAGTCTTGTGACAACTGGGGGCCCCACACATCACTG CGCTCTTTGAAACTTTCAGGAACCAGGGAGGGACTCGGCAGAGACATCTGCCAGTTCACTTGGAGTGTTCAGTCAACACCCAAACTCGACAAGGACAG AAAGTGGAAAATGGCTGTCTTAGTCTAATAATATTGAAAACTCAAGTTGCTCATGGATCAAATTATGCCCTTTTATGAATCCAGCCACTACT GTCGGTATCAAACTTCATGTACCCAAAACGCACTGATCTTTTCTGTGCTAAAATGAAATAAAGAGATTTCCCCCAAGATAGAGGGCTGGGCAAAAGAGG CACAGTIGGAAGGAGACTIGTICTGCACACACACAGGAAGGAGATCCAACCAGTICATCCTAAAGGAGATCAGTCCTGGGTGTTCATTGGAGGGACTGATG | GAAGC1GAAACTCCAATGCTTTGGCCACCTGATGTGAAGAGCTGACTCATTTGAAAAGACCCTGATGCTGGGAAAGATTGAGGGCAGGAGAAGGAGAAGGGG ACGACAGAGGATGAGATGGTTGGATGGCATCACCAACAATGGACATGGGTTTGGGTGGACTCCAGGAGTTGGTGATGGACAGGGAGGCCTGGCGTGCT | GTGCCTCTGAGCTTCCCGGCCTGCAGAGGGTGGTGGGGGTAGACTGTGACCTGGGAACACCCCTCCCGCTTCAGGACTCCCGGGCCACGTGACCCCACAGT CCTGCAGACAGCCGGGTAGCTCTGCTCTTCAAGGCTCATTATCTTTAAAAAACTGAGGTCTATTTTGTGACTTCGCTGCCGTAACTTCTGAACATCCA CCTITTGAACCTAAAGACACACACACGCTCTCGAAGGTTTTCTCTTTAATCTGGATTTAAGGCCTACTTGCCCCTCAAGAGGGAAGACAGTCCTGCATGTCCC CAGGACAGCCACTCGGTGGCATCCGAGGCCACTTAGTATTATCTGACCGCACCTGGAATTAATCGGTCCAAACTGGACAAAAACCTTGGTGGGAAGTTT ACACATAACATAGTGTATACTCATATTTTTATGCATACCTGAATGCTCAGTCACTCAGTCGTATCTGACTCTGTGACCTATGGACCGTAGCCTTCCAGGT TGTATTGGCAGGTGGATTCTTTACCACTGTGCCACCAGGGAAGCCCGTGTTACTCTATGTCCCACTTAATTACCAAAGCTGCTCCAAGAAAAAGCCCC ITIIGGCIGIGCIGCIGCIGIICGIIGCAGIICGGIGCGCAGGCIIIICICICIAGIIICICICIAGICIICICIIAICACAGAGCAGICICIAGACGAICGA CGCGTTCAGCCTAAAGCTTTTTCCCCCGTATCCCCCCAGGTGTCTCTGCAGGCTCAAAGAGCAGCGAGAAGCGTTCAGAGGAAAGCGATCCCGTGCCATT 

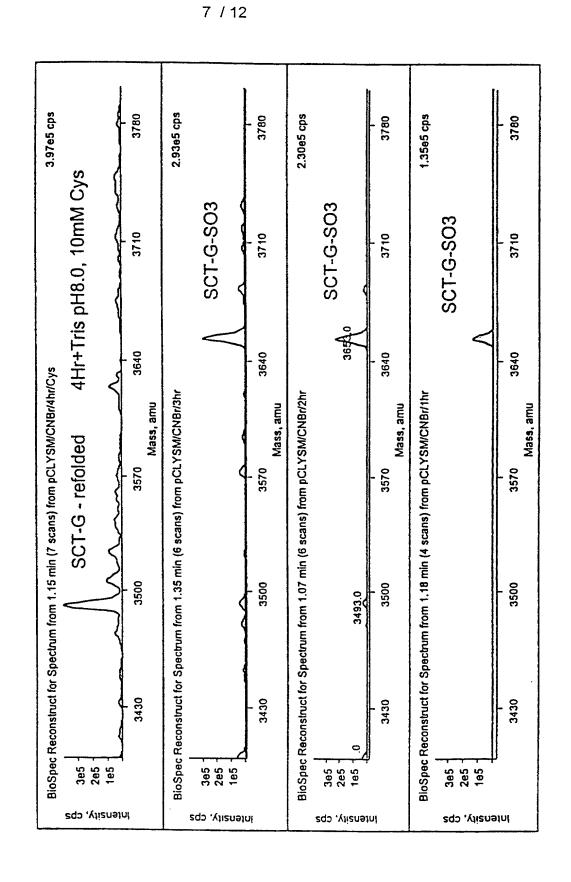
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FIG.3.



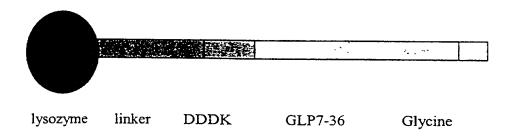


-1G.4.



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FIG.5.



# FIG.6.

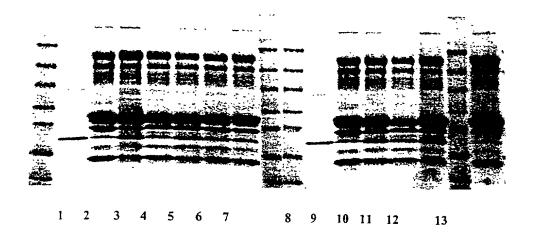
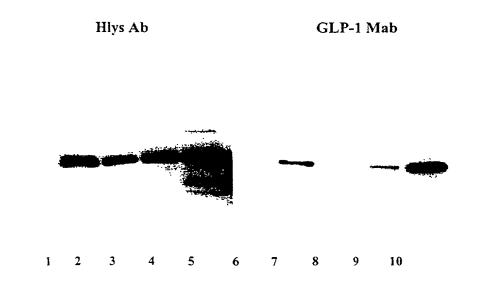
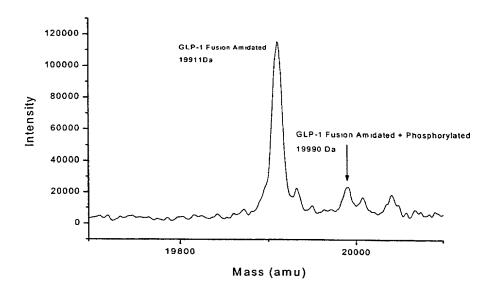


FIG.7

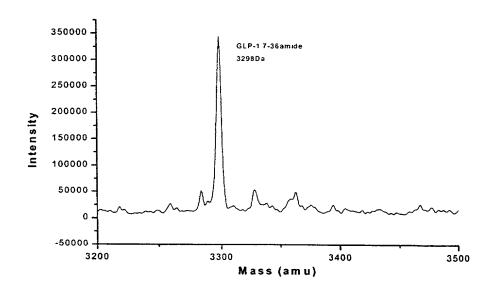


## FIG.8.

**8A** 



8B



**SUBSTITUTE SHEET (RULE 26)** 

FIG.9

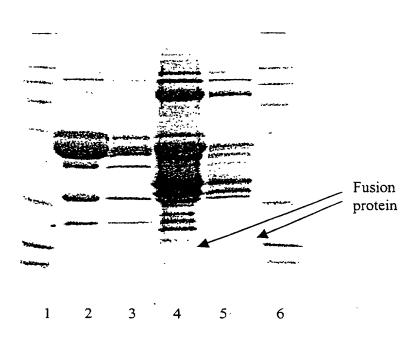


FIG.10

